

1632

## RAW SEQUENCE LISTING

DATE: 07/18/2001

PATENT APPLICATION: US/09/437,450A

TIME: 15:51:16

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\07182001\I437450A.raw

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3 <110> APPLICANT: FREEDMAN, JONATHAN H.  
 4 LIAO, VIVIAN H.C.  
 6 <120> TITLE OF INVENTION: STRESSOR REGULATOR GENE  
 8 <130> FILE REFERENCE: 1579-315  
 10 <140> CURRENT APPLICATION NUMBER: 09/437,450A  
 11 <141> CURRENT FILING DATE: 1999-11-10  
 13 <150> PRIOR APPLICATION NUMBER: 60/109,281  
 14 <151> PRIOR FILING DATE: 1998-11-20  
 16 <160> NUMBER OF SEQ ID NOS: 72  
 18 <170> SOFTWARE: PatentIn Ver. 2.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 165  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe  
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 30 tgttggtgtg tttattccct gacctatcca tattcccttc ttccaatct ctaaagatat 120  
 31 acctgaaaac gagttttttg aatacttgat acatttgtct tcac 165  
 34 <210> SEQ ID NO: 2  
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 36 <212> TYPE: DNA  
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 39 <220> FEATURE:  
 40 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe  
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 44 ctttacgtgg taagatcctg aacgtcgaaa agcaatggaa cataagatct acgaaaatga 120  
 45 ggagatcaaa aacatgttta cagctttggt ccta 154  
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 49 <211> LENGTH: 264  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
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 58 agatcttcaa tcaaaagctc ggtttcttgt tgttaaaaga ttccgcagga aaatgtctcc 120  
 59 gagagtccgt gtcctcaa ataaattctac gaggcgatca agaatacga gaaaatggag 180  
 60 acaccagatg agcgattaac aaaagcacga gaaatttatc gatcatcata tacggttgaa 240  
 61 ttccgtcgcg caatcgtcac actc 264  
 64 <210> SEQ ID NO: 4  
 65 <211> LENGTH: 187  
 66 <212> TYPE: DNA  
 67 <213> ORGANISM: Artificial Sequence  
 69 <220> FEATURE:

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70 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Probe

72 &lt;400&gt; SEQUENCE: 4

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73 aaatttttat taaaataaaa taaacatggt tttgttgata ttatagcggt aaagctgaaa 60
74 tgacaatgat tagaaaacca gcagagaata gagatgatgt tcctttcggt gttgtttcca 120
75 gtgaacactt gttgcggtgg agcccggtatt tagcgagtgg tagtttttga tgtgattggt 180
76 tccaatc 187

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79 &lt;210&gt; SEQ ID NO: 5

80 &lt;211&gt; LENGTH: 267

81 &lt;212&gt; TYPE: DNA

82 &lt;213&gt; ORGANISM: Artificial Sequence

84 &lt;220&gt; FEATURE:

85 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Probe

87 &lt;400&gt; SEQUENCE: 5

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88 tgggtactcca cctacaagtt ctacaagttc tacgaggttg tctgatcgta tccattccac 60
89 aaggctatcc gtcgtaaccc agacacccaa tggatcacca agcctagttc acaagcaccg 120
90 tgagcaaaga ggactcacct ctgctggacg caagttcgtg gactcggaag gggattgctt 180
91 ttctctgcta cccgcggagg atcccaacac caaagttttt ccaccgcga accgataaat 240
92 cttgttattt tattttgttt tgggttt 267

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95 &lt;210&gt; SEQ ID NO: 6

96 &lt;211&gt; LENGTH: 292

97 &lt;212&gt; TYPE: DNA

98 &lt;213&gt; ORGANISM: Artificial Sequence

100 &lt;220&gt; FEATURE:

101 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Probe

103 &lt;400&gt; SEQUENCE: 6

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104 tttttttttt ttttcccaac cccttcacat aaaggcggaa aaccgattgt tgctgttact 60
105 tgttgttgtc gtttattccc tgaggtatcc atattccgct tctcccaatc tctaaagata 120
106 tacctgaaaa cgagttgtcg tcgaaatact tgatacatgt tgtcttcac cttggtgatg 180
107 ttgtttcgca aattcttcat actagttatg ataggatttg aatgagctgg cagagtcaa 240
108 ctttgaactc gaatttcaat attttcgtga tctgcatta agtgaatgaat aa 292

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111 &lt;210&gt; SEQ ID NO: 7

112 &lt;211&gt; LENGTH: 314

113 &lt;212&gt; TYPE: DNA

114 &lt;213&gt; ORGANISM: Artificial Sequence

116 &lt;220&gt; FEATURE:

117 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Probe

119 &lt;400&gt; SEQUENCE: 7

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120 tctgagctag gaggtccagg aggaacaac ggaggaggtg ctggaaatgg tggattcgac 60
121 gattttgatg atttggtcg cgtttcgaa gaactgaaaa agattaagta atcatcacc 120
122 gacgttccat tccttattaa ctatttgttt ctcttcacc caattttttt ttcacgtgct 180
123 tttttttgta tcataaatga gacccccaaa aactagctgt ttcttagtgc atacgttaaa 240
124 accccttttag tcattgatta tcattgtata cctcattatc cgaaaaacct ttcgacattc 300
125 atcaactagg tttt 314

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128 &lt;210&gt; SEQ ID NO: 8

129 &lt;211&gt; LENGTH: 189

130 &lt;212&gt; TYPE: DNA

131 &lt;213&gt; ORGANISM: Artificial Sequence

133 &lt;220&gt; FEATURE:

134 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Probe

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136 <400> SEQUENCE: 8
137 tctgagctag ggaccgaaat tcacaaatat ccaattgtta ctggatggtg gggatgtgga 60
138 cgatttaatg gggacaagcc actgaagtgt atgttatttc attcgtaaaa tatgaagatg 120
139 gaggagagtg aatggggatt ttgcttcttt tgcaaatgg cctccctatg tacctgaaaa 180
140 aaaaaaaaaa 189
143 <210> SEQ ID NO: 9
144 <211> LENGTH: 171
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
151 <400> SEQUENCE: 9
152 tctgagctag gaaaggacgg agaagatgga gagaacggag ctgctggagc cgctggacca 60
153 aagggatctt gcgaccactg cccaccacca cgcactcccc aggatattaa ttcacttctc 120
154 tctaatttta gtgaatctca ttctaataaa aagccgcccc aaaaaaaaaa a 171
157 <210> SEQ ID NO: 10
158 <211> LENGTH: 289
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
165 <400> SEQUENCE: 10
166 tttttttttt ttgagcgag cgtttattat ttgagtcgag cttgggttga gtcgtcagct 60
167 gaacatgaag attgacaaag aagacgatca gcagcaacag atgcgcagag tcgcattctt 120
168 tgcggttget gtctcaactg cagccgtcat ttcaagcatc gtgactctcc caatgatcta 180
169 ctcttactct tcaatctttc caatccatt tgatcattgg aaaccgagtt ctgtaaaact 240
170 gtgctcgtga tatgtggtgt cgaagttctc cacaagtcag gtgtaccct 289
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 162
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
181 <400> SEQUENCE: 11
182 ctccaccgca acaagtgttc acgtggaaac aacaacgaaa ggaacatcat ctctatctct 60
183 gctggttttc taatcattgt catttcagct ttaacgctat aatcaacaaa aacagtttat 120
184 tttattttta taaaaattta ttcgtgcaaa aaaaaaaaaa aa 162
187 <210> SEQ ID NO: 12
188 <211> LENGTH: 140
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
195 <400> SEQUENCE: 12
196 tagggcctgg ttgtgacaat gtgcactaaa atggggcatg aatatcacca gcagagttca 60
197 cttacccaaa gtgtacttat taagagtcaa ctgtgaagta tatgagacat ttcagttgcc 120
198 tgcccaaaaa aaaaaaaaaa 140
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 308

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203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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211 aataaccgga atthtttttagt ggtccccgca cgttgacctt ctggcgcgctc aggcactccg 120
212 ccgcgcacatt cgcgcacacg cctacaatcc acgtgtcaat cgtcagattt gcggatcaat 180
213 aatgggtgatg aaagggtggaa atacgtatat ggatcatgtt caaaggcatc aagctgaaca 240
214 attcgaagag ttgaatcggc gtcgacactt ttgatccaag accgtaagaa atttgaaagc 300
215 tattggtg 308
218 <210> SEQ ID NO: 14
219 <211> LENGTH: 238
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
226 <400> SEQUENCE: 14
227 tttttttttt ttttggggag gaaatcacgg cttcggtatgc aacagtcttc tctcaattgg 60
228 caactgtcta ttatccattc cgcaatcaca tttcggtatgt tctcgaaaag gacttcccaa 120
229 agttattgga gtactgtgaa agagttcgtc atgaagttha ccaaaggac tttactatgt 180
230 gaattaaatt gtcaaactag tagtcagatc aataaaattt tccgcgcgaa aaaaaaaa 238
233 <210> SEQ ID NO: 15
234 <211> LENGTH: 324
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236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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243 aataaccgga atthtttttagt ggtccccgca cgttgacctt cttggcgcgct caggcactcc 120
244 gccgcgcacat tcgcgcacac gcctacaatc cacgtgtcaa tcgtcagatt tgcggatcaa 180
245 taatgggtgat gaaagggtgga aatacgtata tggatcatgt tcaaaggcat caagctgaac 240
246 aattcgaaga gttgaatcgg cgtcgacaac tttttgatcc aagaccgtaa gaaatttgaa 300
247 agctattggt gaaaaaaaaa aaaa 324
250 <210> SEQ ID NO: 16
251 <211> LENGTH: 272
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253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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260 gcttcaaagc aatttgaaaga aactctctgt caccaacatt ccaggaatcg aggaggtcaa 120
261 catgattaag acgatggaac cgttatccac ttcaacaacc caaaagtcta aacctctgtt 180
262 cccagccaat accttctctg tcacaggatc agccgataac aagtcagatc actgaaatgt 240
263 ctcccaggga atgctgaact ggtcagagtc ct 272
266 <210> SEQ ID NO: 17
267 <211> LENGTH: 218

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268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
274 <400> SEQUENCE: 17
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276 ggcgttttta gtaccttagg atcgactgac ccacatccaa ctactgttcc acgtggaacc 120
277 cttctccact tcagtcttca aggatcgaac ttgaatatatt gctactacca tacgatctgc 180
278 actgacggaa agtccagccg agcctacctc atagttaa 218
281 <210> SEQ ID NO: 18
282 <211> LENGTH: 238
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
289 <400> SEQUENCE: 18
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291 atgactcgcg cttactaggc attcctcggt taagggcaat aattacaata ccctatcccg 120
292 gacatggaag aatttcaacg gtttaccgat acctttcaac acgggaaaac taccgggttg 180
293 gacaccatta ggactgacag attgaaagtc tttgtcgatt tgggtggttg ttgtgcat 238
296 <210> SEQ ID NO: 19
297 <211> LENGTH: 253
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299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
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304 <400> SEQUENCE: 19
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306 tggcggacta gtgattgtgc ttcttgcgga ccgtttctgg tgtgtgcttg gacctcggtt 120
307 ctagtatcct gatcgctcat ctatcaaccg tactgtaacc ggtacgactc agggaatccg 180
308 actgtctaataaaaacagag gtgacagatg gtccttgcg acgttaactg tcactgattt 240
309 ctccccagtg cac 253
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313 <211> LENGTH: 277
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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322 gatgactcac acttctaggc attcctcggt taaggggaata attacaatac ccattcccga 120
323 catggaagaa tttcaacggt ttaccgatac cttttcgga acacgggaaa actcaccggg 180
324 tccggacacc attaggactg acagattgaa agctctttct cgatttggtg gttggtggtg 240
325 catggccggt cttagttggt ggagtaccaa tcactag 277
328 <210> SEQ ID NO: 21
329 <211> LENGTH: 216
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:

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VERIFICATION SUMMARY

DATE: 07/18/2001

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